

Form PTO 1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAttorney Docket No.
8733.036.10Application No.
Not Yet AssignedLIST OF REFERENCES CITED BY
APPLICANT

(Use Several Sheets if Necessary)

Date: January 24, 2001Applicant: **Komatsu HIROSHI**Filing Date
January 25, 2001Group
2871Jc971 U.S. PTO
09/982830
10/22/01

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA		4,239,346	12/16/80	LLOYD			
AB		4,726,659	02/1988	CONRAD, et al.			
AC		5,307,189	04/26/94	NISHIKI, et al.			
AD		5,321,535	06/14/94	UKAI, et al.			
AE		5,459,596	10/17/95	UEDA, et al.			
AF		5,464,669	11/07/95	KANG, et al.			
AG		5,492,762	02/20/96	HIRAI, et al.			
AH		5,540,784	07/30/96	RANES			
AI		5,576,858	11/19/96	UKAI, et al.			
AJ		5,598,285	01/28/97	KONDO, et al.			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	TRANSLATION	
					YES	NO
AK		0 368 260	05/1990	EUROPEAN	X	
AL		0 588 568	03/1994	EUROPEAN	X	
AM		0 749 029	12/1996	EUROPEAN	X	
AN		62-78532	04/1987	JAPAN	ABSTRACT	
AO		04-067127	03/1992	JAPAN	ABSTRACT	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	R. Kiefer, et al., <i>In-Plane Switching of Nematic Liquid Crystals</i> , Japan Display '92, pp. 547-550.
AQ	M. Oh-e, et al., <i>Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode</i> , Asia Display '95, pp. 577-580.
AR	M. Ohta, et al., <i>Development of Super-TFT-LCDs with In-Plane Switching Display Mode</i> , Asia Display '95, pp. 707-710.

Examiner Signature

Date Considered:

01/20/01

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M	AA	5,600,464	02/1997	OHE, et al.			
	AB	5,608,556	03/04/97	KOMA			
	AC	5,646,705	07/08/97	HIGUCHI, et al.			
	AD	5,686,019	11/1997	NAKAMURA			
	AE	5,737,051	04/07/98	KONDO, et al.			
	AF	5,742,369	04/1998	MIHARA, et al.			
	AG	5,745,207	04/1998	ASADA, et al.			
	AH	5,757,455	05/26/98	SUGIYAMA, et al.			
	AI	5,760,856	06/02/98	YANAGAWA, et al.			
	AJ	5,760,857	06/02/98	YANAGAWA, et al.			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	TRANSLATION	
					YES	NO
n	AK	06-273803	09/1994	JAPAN	ABSTRACT	
	AL	07-036058	02/1995	JAPAN	ABSTRACT	
	AM	07-225388	08/1995	JAPAN	ABSTRACT	
	AN	08-062586	03/1996	JAPAN	ABSTRACT	
	AO	09-005763	01/1997	JAPAN	ABSTRACT	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

M	AP	S. Matsumoto, <i>Display Characteristics of In-Plane-Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5in. IPS TFT-LCD</i> , Euro Display '96, pp. 445-448.
	AQ	H. Wakemoto, et al., <i>An Advanced In-Plane-Switching Mode TFT-LCD</i> , SID 97 Digest, pp. 929-932.
	AR	Japanese Abstract for JP09-269507, 10/14/1997.

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	AJ						

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		Document No.	Date	Country	TRANSLATION	
					YES	NO
17	AK	1994-7581	04/1994	KOREA		
	AL	96-32049	09/1996	KOREA		X
	AM	97-22458	05/1997	KOREA		X
	AN	98-083765	12/1998	KOREA		X
	AO	97/10530	03/1997	PCT	X	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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M	AA	5,914,762	06/22/99	LEE, et al.			
	AB	5,946,067	08/31/99	KIM, et al.			
	AC	5,956,111	09/21/99	OHTA, et al.			
	AD	5,959,708	09/28/99	LEE, et al.			
	AE	5,969,782	10/19/99	LEE, et al.			
	AF	5,977,562	11/02/99	HIRAKATA, et al.			
	AG	5,995,186	11/30/99	HIROSHI			
	AH	6,005,650	12/21/99	KIM, et al.			
	AI	6,040,887	03/21/00	MATSUYAMA, et al.			
	AJ						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	TRANSLATION	
					YES	NO
17	AK	09-105908	04/1997	JAPAN	ABSTRACT	
	AL	09-105918	04/1997	JAPAN	ABSTRACT	
	AM	09-258269	10/1997	JAPAN	ABSTRACT	
	AN	09-325346	12/1997	JAPAN	ABSTRACT	
	AO	7-36058	02/1995	JAPAN		

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21	AA	5,786,876	07/28/98	OTA, et al.			
	AB	5,793,459	08/11/98	TOKO			
	AC	5,831,701	11/03/98	MATSUYAMA, et al.			
	AD	5,841,499	11/24/98	BAUR, et al.			
	AE	5,852,485	12/1998	SHIMADA, et al.			
	AF	5,859,682	01/12/99	KIM, et al.			
	AG	5,870,160	02/09/99	YANAGAWA, et al.			
	AH	5,886,762	03/23/99	LEE, et al.			
	AI	5,907,380	05/25/99	LIEN			
	AJ	5,910,271	06/08/99	OHE, et al.			

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	TRANSLATION	
					YES	NO
25	AK	09-005793	01/1997	JAPAN	ABSTRACT	
	AL	09-033946	02/1997	JAPAN	ABSTRACT	
	AM	09-043589	02/1997	JAPAN	ABSTRACT	
	AN	09-043590	02/1997	JAPAN	ABSTRACT	
	AO	09-101538	04/1997	JAPAN	ABSTRACT	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

2	AP	S.H. Lee, et al., High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display Controlled by Fringe-Field Switching, Asia Display '98, pp. 371-374.
	AQ	
	AR	

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